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Bartal 2-5-7 #7

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicant(s): Yair Bartal
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Case: 2-5-7
Serial No.: 09/240,934
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I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

Signature: Linda Shacht Date: April 25, 2002

Title: Method and Apparatus for Managing a Firewall

TRANSMITTAL OF FORMAL DRAWINGS

Assistant Commissioner for Patents
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Technology Center 2100

Applicant(s) submit herewith eight (8) sheets of formal drawings in the above-referenced application.

Respectfully submitted,

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Date: April 25, 2002

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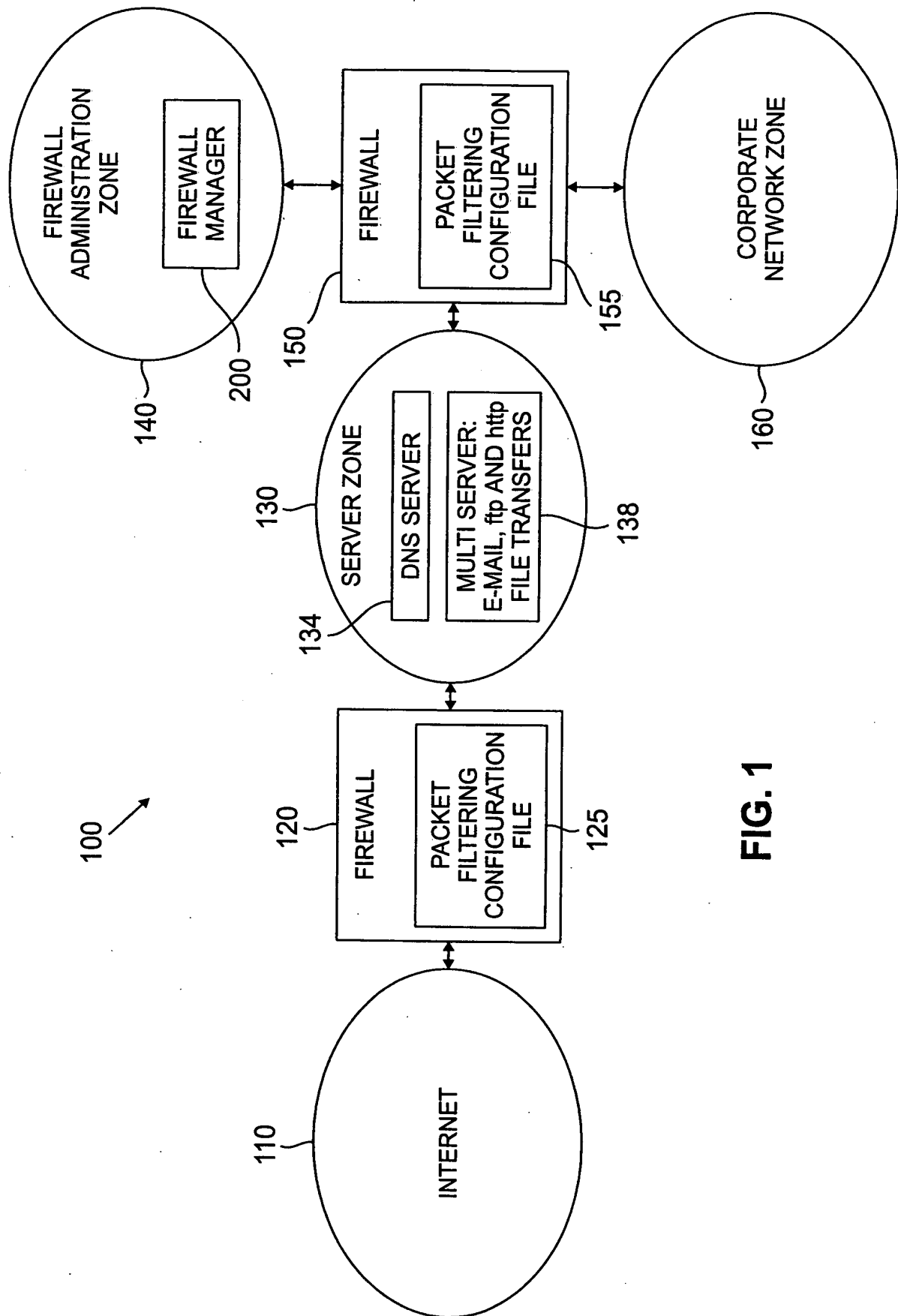
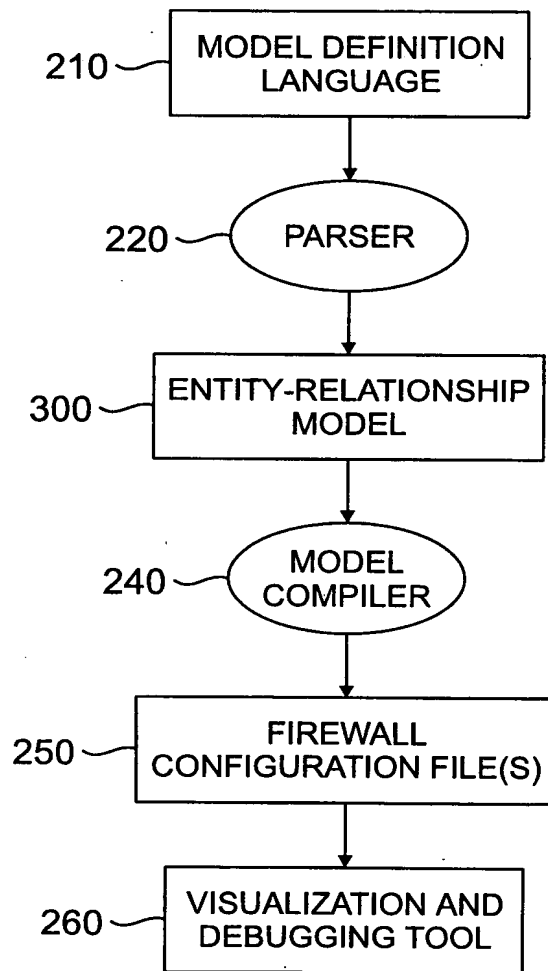


FIG. 1

**FIG. 2**

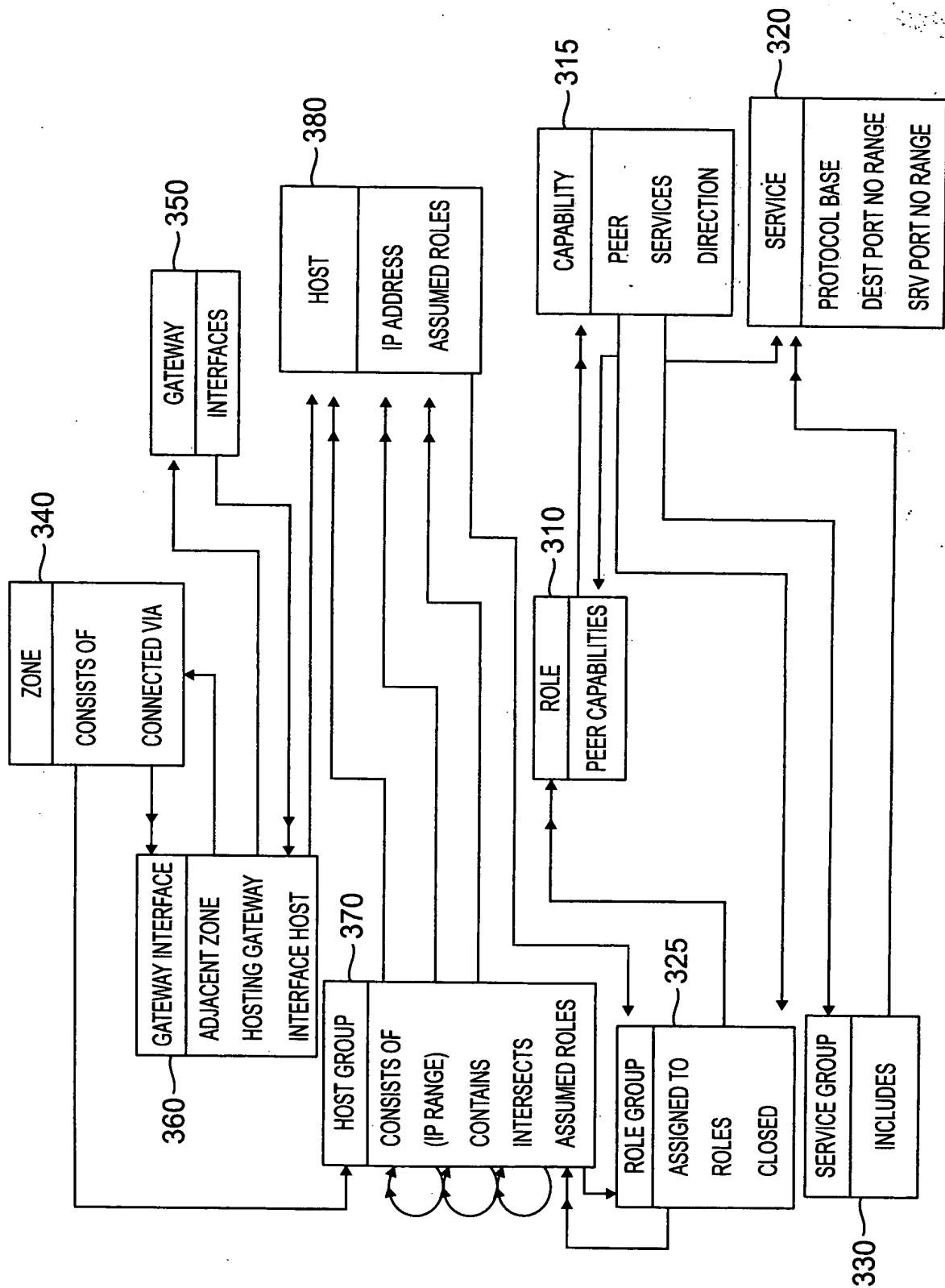


FIG. 3

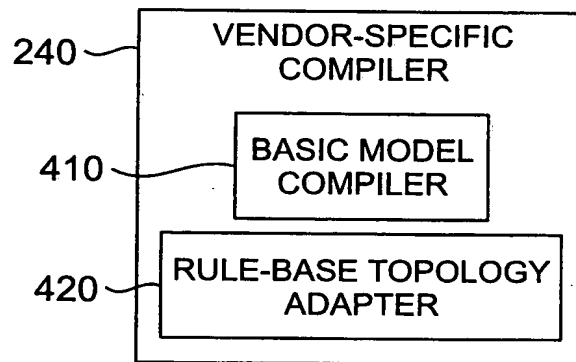


FIG. 4

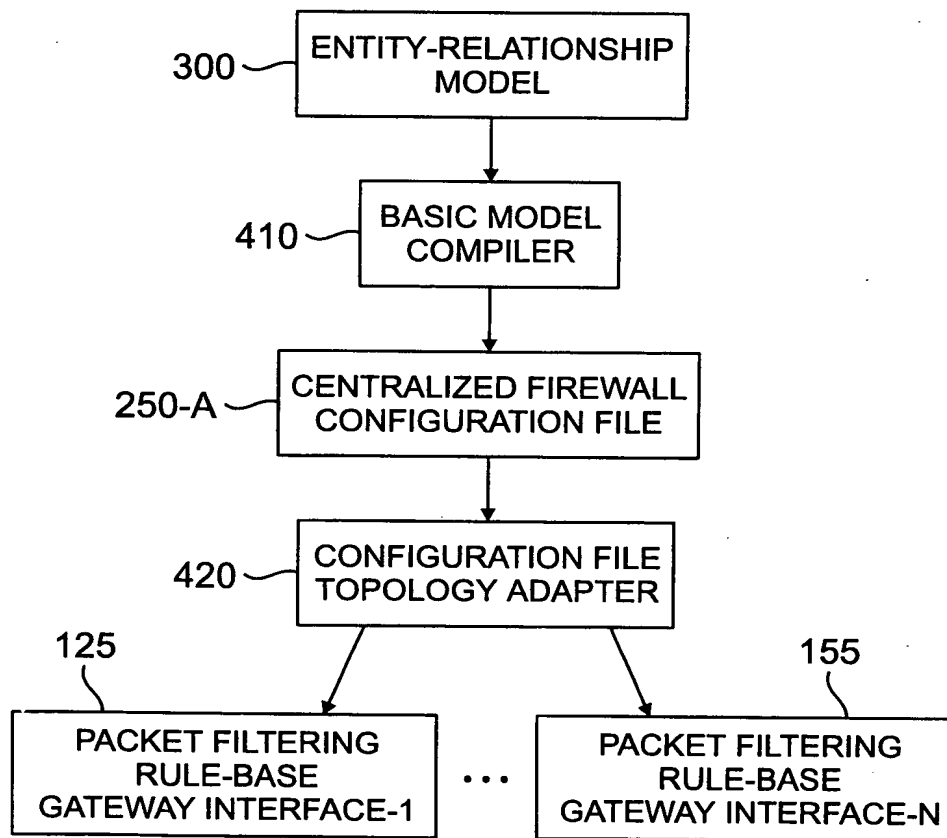


FIG. 5

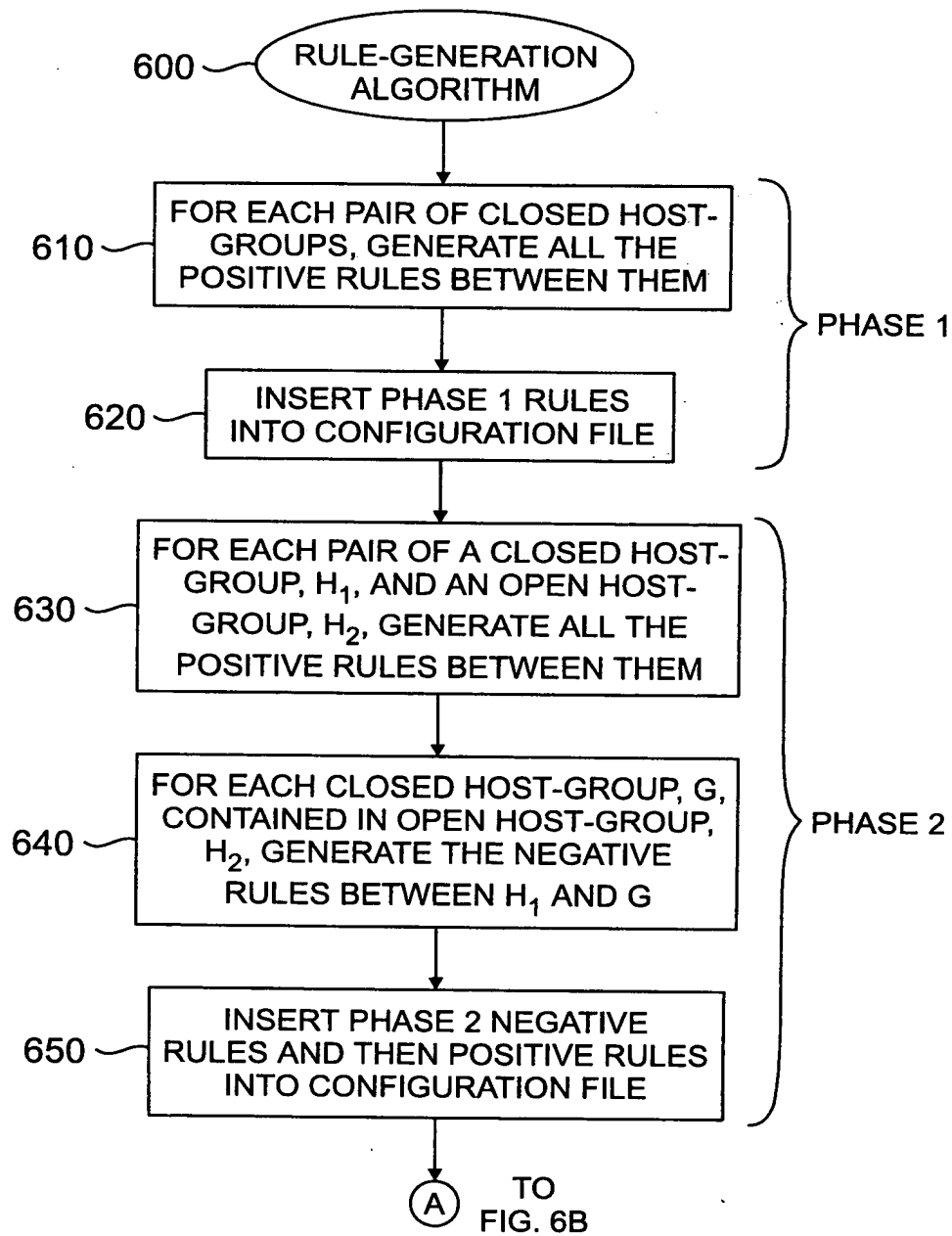


FIG. 6A

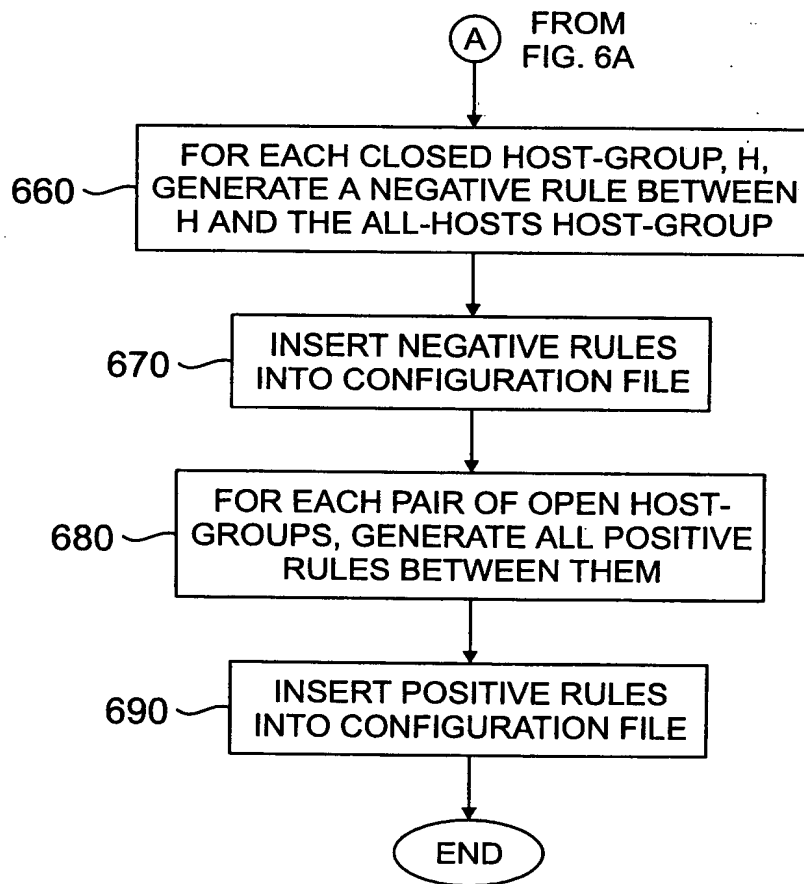


FIG. 6B

for each role r in the role-group assigned to H_1 :

for each statement in the form: $\{ r \$ R : s \}$

/* where r is a role, $\$$ indicates the direction, R is a role-group and s is a service */

if H_2 is closed: /* create a rule if H_2 has a role, r */

if the role-group assigned to H_2 contains a role in R ,

then,

create a positive rule between H_1 and H_2 with

service = s

otherwise, for all host-groups G that contain H_2 :

if the role-group assigned to G contains a role in R

create positive rule between H_1 and H_2 with

service = s

FIG. 7

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Replicate the centralized configuration file to every gateway interface

for each gateway interface

for each rule in the configuration file

if the source is in the adjacent zone

set direction to OUT

else if the destination is in the adjacent zone

set direction to IN

else set direction to BOTH

FIG. 8

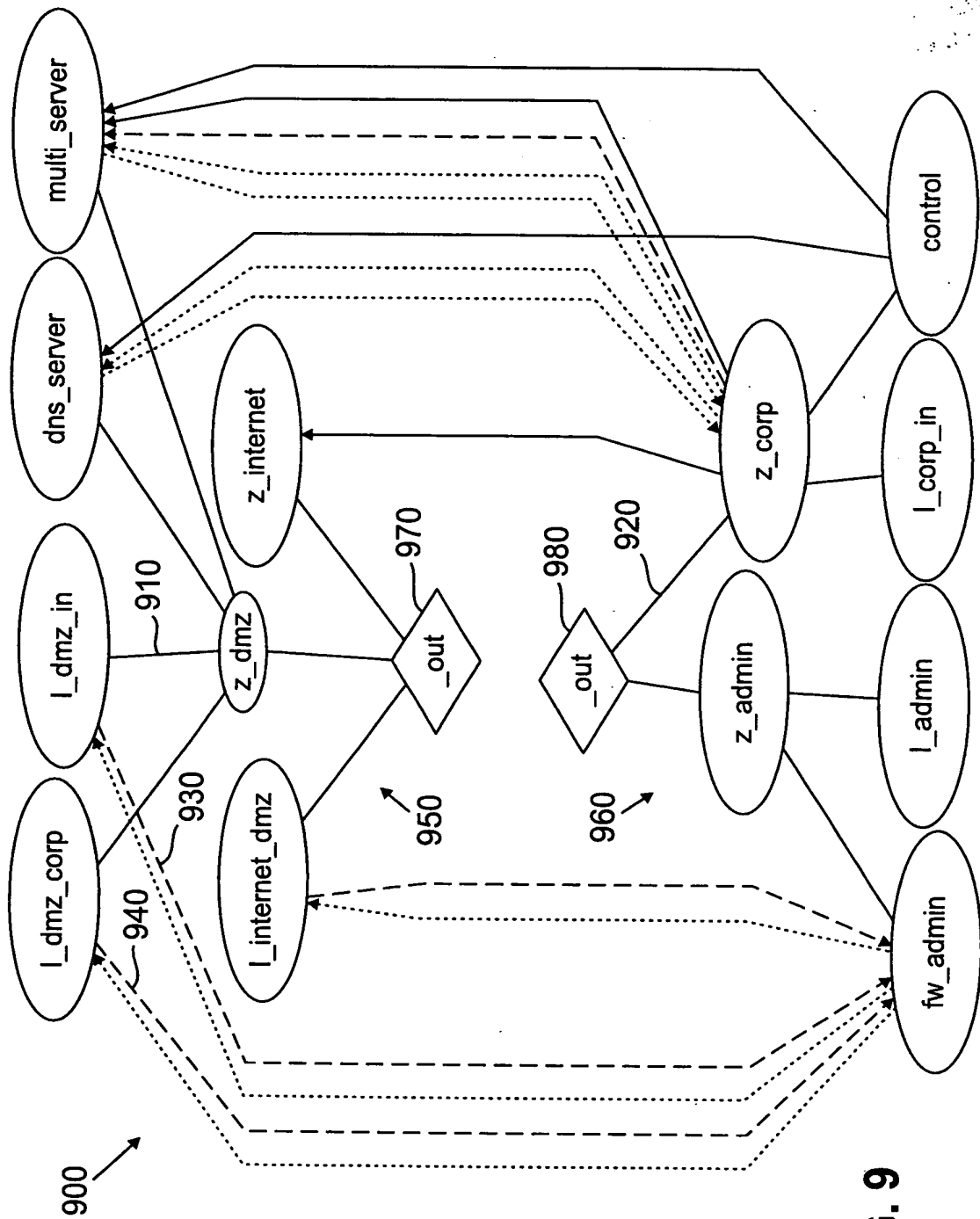


FIG. 9